ITEM 16—CATEGORY II

Specially designed software, or specially designed software with related specially designed hybrid (combined analog/digital) computers, for modeling, simulation, or design integration of the systems in Item 1 and Item 2 (see §121.1, Category IV(i) and Category XI(a)(6)).

NOTE TO ITEM 16

The modelling includes in particular the aerodynamic and thermodynamic analysis of the system.

ITEM 17—CATEGORY II

Materials, devices, and specially designed software for reduced observables such as radar reflectivity, ultraviolet/infrared signatures on acoustic signatures (i.e. stealth technology), for applications usable for the systems in Item 1 or Item 2 (see §121.1, Category XIII (e) and (k)), for example:

(a) Structural material and coatings specially designed for reduced radar reflectivity;

(b) Coatings, including paints, specially designed for reduced or tailored reflectivity or emissivity in the microwave, infrared or ultraviolet spectra, except when specially used for thermal control of satellites.

(c) Specially designed software or databases for analysis of signature reduction.

(d) Specially designed radar cross section measurement systems (see §121.1, Category XI(a)(3)).

ITEM 18—CATEGORY II

Devices for use in protecting rocket systems and unmanned air vehicles against nuclear effects (e.g. Electromagnetic Pulse (EMP), X-rays, combined blast and thermal effects), and usable for the systems in Item 1, as follows (see §121.1, Category IV (c) and (h)):

(a) ''Radiation Hardened'' ''microcircuits'' and detectors (see §121.1, Category XI(c)(3) Note: This commodity has been formally proposed for movement to category XV(e)(2) in the near future).

(b) Radomes designed to withstand a combined thermal shock greater than 1000 cal/sq cm accompanied by a peak over pressure of greater than 50 kPa (7 pounds per square inch) (see §121.1, Category IV(h)).

NOTE TO ITEM 18(a)

A detector is defined as a mechanical, electrical, optical or chemical device that automatically identifies and records, or registers a stimulus such as an environmental change in pressure or temperature, an electrical or electromagnetic signal or radiation from a radioactive material. The following pages were removed from the final itar for replacement by DTC's updated version section 6(l)

of the Export Administration Act of 1979 (50 U.S.C. App. 2405(l)), as amended. In accordance with this provision, the list of MTCR Annex items shall constitute all items on the U.S. Munitions List in §121.16.

PART 122—REGISTRATION OF MANUFACTURERS AND EXPORTERS

Sec.
122.1   Registration requirements.
122.2   Submission of registration statement.
122.3   Registration fees.
122.4   Notification of changes in information furnished by registrants.
122.5   Maintenance of records by registrants.

§ 122.1   Registration requirements.

(a) Any person who engages in the United States in the business of either manufacturing or exporting defense articles or furnishing defense services is required to register with the Office of Defense Trade Controls. Manufacturers who do not engage in exporting must nevertheless register.

(b) *Exemptions.* Registration is not required for:

(1) Officers and employees of the United States Government acting in an official capacity.

(2) Persons whose pertinent business activity is confined to the production of unclassified technical data only.

(3) Persons all of whose manufacturing and export activities are licensed under the Atomic Energy Act of 1954, as amended.

(4) Persons who engage only in the fabrication of articles for experimental or scientific purpose, including research and development.

(c) *Purpose.* Registration is primarily a means to provide the U.S. Government with necessary information on who is involved in certain manufacturing and exporting activities. Registration does not confer any export rights or privileges. It is generally a precondition to the issuance of any license or other approval under this subchapter.